



8/29/05

2665/#
MH-5070

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Sahinoglu, et al.

:
: Art Unit: 2665

Serial No: 09/842,973

:
: Examiner: D. Ryman

Filed: April 26, 2001

:
:
:

Title: ADAPTIVE BANDWIDTH ALLOCATION BY WAVELET DECOMPOSITION AND
ENERGY ANALYSIS OF NETWORK TRAFFIC

EXPRESS MAIL mailing label number:

ED 971117231 US

Date of Deposit: August 26, 2005

I hereby certify that this correspondence is
being deposited with the United States Postal
Service as EXPRESS MAIL in an envelope addressed
to: Commissioner for Patents, PO Box 1450,
Alexandria, VA 22313-1450

Clifton D. Mueller

Name of Depositor

Clifton D. Mueller
Signature

08/31/2005 CNGUYEN2 00000009 500749 09842973

01 FC:1806

180.00 DA

* * *

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Pursuant to 37 C.F.R. §1.56(a), Applicant hereby cites the
following documents (copies enclosed) listed on the attached
copy of Form PTO-1449.

This Information Disclosure Statement is filed in accordance with the paragraph of 37 CFR \$1.97 checked below:

 1.97(b) This Information Disclosure Statement is filed:

- (1) Within three months of the filing date of a national application; OR
- (2) Within three months of the date of entry of the national stage of an international application; OR
- (3) Before the mailing of a first Office Action on the merits.

No fee or certification is required.

 X 1.97(c) This Information Disclosure Statement is filed after the period specified in paragraph (b) above, but before the mailing date of either:

- (1) A Final Action under 37 CFR 1.113; OR
- (2) A Notice of Allowance under 37 CFR 1.311;

AND is accompanied by either: (check one)

 the Certification under 37 CFR 1.97(e) as set out below; OR

 X the fee of \$180.00 under 37 CFR 1.17(p).

____ 1.97(d) This Information Disclosure Statement is filed
after the mailing date of either:

- (1) a Final action under 37 CFR 1.113; OR
- (2) A Notice of Allowance under 37 CFR 1.311;

BUT before payment of the Issue Fee, AND is
accompanied by:

- (1) the Certification under 37 CFR 1.97(e) as
set out below; AND
- (2) Petition is hereby made under 37 CFR
1.97(d) for consideration of this
Information Disclosure Statement; AND
- (3) Authorization to charge the petition fee
of \$130.00 as set out in 37 CFR 1.17(i).

If this Information Disclosure Statement is being filed under 37 CFR 1.97(c) or 1.97(d), the undersigned Attorney hereby certifies that:

_____ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Statement;

or

_____ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable enquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing date of this Statement.

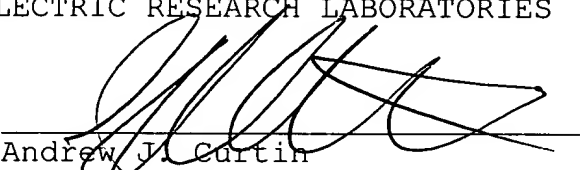
Authorization is hereby given to charge the indicated fee(s) to
Deposit Account No. 50-0749.

Please charge any additional fee due for this paper to Deposit
Account No. 50-0749.

Respectfully submitted,

MITSUBISHI ELECTRIC RESEARCH LABORATORIES

By:

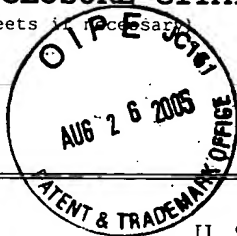


Andrew J. Curtin
Reg. No. 48,485
Attorney for Assignee

Mitsubishi Electric Research Laboratories, Inc.
201 Broadway
Cambridge, Massachusetts 02139
(617) 621-7573

Customer No. 022199
Enclosures

Form PTO-1449 (modified 2/91)	U.S. DEPT OF COMMERCE Patent and Trademark Office	Attorney Docket Number: MH-5070	Serial Number: 09/842,973
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Applicant: Sahinoglu et al.	
		Filing date: April 26, 2001	Group art area: 2665



U.S. PATENT DOCUMENTS

Examiner Initial	Patent number	Date	Name	Class	Subclass	Filing date if appropriate

FOREIGN PATENT DOCUMENTS

	Document number	Date	Country	Class	Subclass	Translation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1.	H. Saran, S. Keshav, "An empirical Evaluation of Virtual Circuit Holding Times in IP over ATM Networks," Proc. of INFOCOM 1994
2.	Y. Afek, M. Cohen, E. Haalman, Y. Mansour, "Dynamic Bandwidth Allocation Policies," 0743-166X/96 IEEE
3.	S. K. Biswas, R. Izmailov, "Design of a fair Bandwidth allocation Policy for VBR Traffic in ATM Networks," IEEE/ACM Trans. On Networking, V:8, N:2, April 2000
4.	M. W. Garrett, W. Willinger, "Analysis, Modeling, and Generation of Self-similar VBR Video Traffic," ACM SIGCOMM, London, 1994
5.	S. Chong, S. Li, J. Ghosh, "Predictive Dynamic Bandwidth Allocation for Efficient Transport of Real Time VBR Video over ATM," IEEE Journal on Selected Areas in Comm, V:13, N:1, pp. 12-23, 1995
6.	Zhang et al., "RED-VBR: A new approach to support delay-sensitive VBR video in packet-switched networks," Proc. NOSSDAV, pp. 258-272 1995
7.	Abry et al., in "Wavelet Analysis of Long Range Dependent Traffic," IEEE Trans. Inform. Theory, V:44, pp. 2-15, Jan. 1998
8.	Sahinoglu et al., in "Self-similarity and Its Effects on Network Performance," IEEE Comm. Magazine, January 1999
9.	R. Riedi, M. S. Crouse, V. J. Ribeiro, R. G. Baraniuk, "A Multifractal Wavelet Model with application to Network Traffic," IEEE Trans. On Information Theory, V:45, N:3, April 1999
Examiner: _____	
Date Considered: _____	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP .609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	